

Land Classification Interpretations

Prime and Important Farmland

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops, and is also available for these uses (the land could be cropland, pastureland, forest land, or other land, but not urban built-up land or water). It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed, including water management, according to acceptable farming methods.

In general, prime farmlands have an adequate and dependable water supply from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, acceptable salt content, and few or no rocks. They are permeable to water and air. Prime farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

This section includes lists of soil survey map units that meet the soil requirements for prime farmland in the county and state. Soils that have limitations, such as a high water table or flooding, may qualify as prime farmland if these limitations are overcome by such measures as drainage or flood control. State important soils are also noted.

This subsection includes:

- **(a) County Prime Farmland List**
- **(b) Missouri's Soil Survey Mapping Units Denoting Prime Farmland and Farmland of Statewide Importance**

Macon County, Missouri
Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Soil name
26B2	Leonard silty clay loam, 2 to 6 percent slopes, eroded (Prime farmland if drained)
30B	Mexico silt loam, 1 to 3 percent slopes
31	Putnam silt loam (Prime farmland if drained)
32B	Adco silt loam, 1 to 3 percent slopes
32B2	Adco silt loam, 1 to 3 percent slopes, eroded
40	Vesser silt loam, occasionally flooded (Prime farmland if drained)
41B	Marion silt loam, 1 to 3 percent slopes
42	Bremer silt loam, rarely flooded (Prime farmland if drained)
43	Chariton silt loam (Prime farmland if drained)
44B	Gifford silt loam, 2 to 5 percent slopes (Prime farmland if drained)
45A	Moniteau silt loam, occasionally flooded, 0 to 3 percent slopes (Prime farmland if drained)
46B	Vigar loam, rarely flooded, 2 to 5 percent slopes
51	Wilbur silt loam, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
52	Blackoar silt loam, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
53	Chequest silty clay loam, occasionally flooded (Prime farmland if drained)
55	Piopolis silty clay loam, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
56	Darwin silty clay, occasionally flooded (Prime farmland if drained)
57	Floris loam, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
58	Excello silt loam, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
65	Dockery silt loam, occasionally flooded
66	Tice silty clay loam, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
68	Bremer loam, occasionally flooded, overwash (Prime farmland if drained)
69	Floris silt loam, occasionally flooded